



**WATER
SOLUTIONS
UNLIMITED, INC**

March 10, 1998
P.O. BOX 347
FRANKLIN, IN 46131-0347
(317) 736-6868
FAX (317) 736-4322

MATERIAL SAFETY DATA SHEET

WSU 350
SECTION I

PRODUCT NAME OR NUMBER WSU 350 <small>(As it appears on label)</small>		MANUFACTURER'S DUNS NO	
MANUFACTURER'S NAME WATER SOLUTIONS UNLIMITED P.O. BOX 347 FRANKLIN, IN 46131-0347		BUSINESS AND EMERGENCY PHONE NO. 317-736-6868	
HAZARD CLASS Non Hazardous		ALTERNATE EMERGENCY INFO	
DOT SHIPPING NAME Purifying compound NOI			
UN NUMBER N/A			
NA # N/A			
OTHER HAZARD DATA NONE			
HMIS			
HEALTH		1	
FLAMMABILITY		0	
REACTIVITY		0	
PERSONAL PROTECTION		B	
CHEMICAL FAMILY Sodium Polyphosphate		FORMULA Proprietary	

SECTION II - INGREDIENTS

(list all hazardous ingredients)

Cas Registry No.	% W	% V	Chemical Name	ACGIH TWA	ACGIH STEL	Carcinogen	OSHA PEL	ACGIH TLV C	SARA TITLE III R.Q. LBS
			None						

SECTION III - PHYSICAL DATA

Boiling Point N/A	BULK DENSITY 50 - 80 LBS./CU. FT.	Percent Solid By Weight (%) 100
Vapor Pressure (mmHg) N/A	Percent Volatile By Volume (%) 0	MATERIAL IS
Vapor Density (AIR = 1) N/A	Evaporation Rate (water = 1) N/A	LIQUID GAS POWDER SOLID PASTE SLURRY
Solubility In Water Complete	pH 1% sol. approx. 8	Freezing Point N/A
Appearance and Odor Off white powder.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT N/A	METHODS USED	FLAMMABLE LIMITS	LEL N/A	UEL N/A
EXTINGUISHING MEDIA Use extinguishing media proper to the primary cause of the fire. This material is not combustible.				
SPECIAL FIRE FIGHTING PROCEDURES Wear self - contained breathing apparatus with full face piece, operated in pressure demand or other positive pressure mode, and full protective clothing.				
UNUSUAL FIRE AND EXPLOSION HAZARDS Can react with chemically reactive metals such as Aluminum, Zinc, Manganese, Copper, etc., to release Hydrogen gas which can form explosive mixtures with air.				

Using the right product blend for the right application.

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SECTION V - HEALTH DATA

HEALTH EFFECTS (ACUTE AND CHRONIC)	
Phosphoric acid is completely and readily soluble in water. If exposed areas are flushed promptly and thoroughly with water, there should be little or no harm. Long term exposure may lead to rash or burn.	
SKIN:	Mild to severe irritant, will cause irritation, may cause burns.
EYES:	Will cause irritation and burning sensation, chemical burn likely.
INHALATION:	Severe irritant, may result in varying degrees of irritaion or damage to respiratory tract tissue.
INGESTION:	Slightly toxic.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	
Asthma, lung and skin diseases.	
PRIMARY ROUTES OF ENTRY	
Skin, eye contact. Inhalation liquid or mist.	
EMERGENCY AND FIRST AID PROCEDURES	
ALWAYS HAVE PLENTY OF WATER AVAILABLE FOR FIRST AID. QUICK REMOVAL IS ESSENTIAL.	
SKIN:	Immediately wash with soap and water. Seek medical attention if irritation persists.
EYES:	Immediately flush with plenty of water for at least 15 minutes; ensure water flushing of entire surface of eye and lid. Seek medical attention including ophthalmologic consultation for corneal burns.
INHALATION:	Remove to fresh air. Seek medical attention if breathing is difficult or discomfort persists.
INGESTION:	Rinse mouth with water. Give large amounts of water, milk or demulcents to cause dilution in stomach. Do NOT induce vomiting. Do not attempt to neutralize with a base because of excessive gas and heat formation, which may increase threat of exophagastic perforation. Vomiting and diarrhea (laxative effects of phosphates) are expected with large doses. Parental fluid administration may be needed if fluid loss is large or shock ensues. Supportive care may be needed for other complications such as glottal edema, hematemesis, and perforation(unlikely). Avoid induced vomiting because local tissue injury may be aggravated, but watch patient for hyperphosphatemia and hypocalcemia.
NOTE TO PHYSICIAN: Phosphoric acid is a moderately corrosive agent which may burn exposed tissue upon other than very brief contact.	

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY	CONDITIONS TO AVOID
Stable	None
UNCOMPATIBILITY (materials to avoid)	
Alkalies. Reactive metals such as Aluminum and Magnesium. Copper, brass, bronze and mild steel.	
HAZARDOUS DECOMPOSITION PRODUCTS:	
Carbon Dioxide, Carbon Monoxide, Oxides of Phosphorus.	
HAZARDOUS POLYMERIZATION	CONDITIONS TO AVOID
Will not occur	None

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Wear appropriate protective equipment. For small spills, use dikes or inert absorbants. For large spills, contain with dikes or inert absorbants and neutralize with Soda Ash or Lime. Deep non-neutralized material out of sewers/ground water, storm drains and soil.	
WASTE DISPOSAL METHOD	
Dispose of in accordance with all applicable federal, state and local regulations.	
RCRA HAZARDOUS WASTE NO. (40 CFR 261.33)	
D002	
VOLATILE ORGANIC COMPOUND (VOC)	(as packaged, minus water)
None	Lb./Gal.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	
Sufficient to avoid vapors and mists. Use NIOSH approved equipment when airborne exposure is excessive.	
VENTILATION	
Local or mechanical exhaust.	
PROTECTION GLOVES	EYE PROTECTION
Long cuff, heavy rubber or chemical resistant.	Full face shield; do not wear contact lenses.
OTHER PROTECTIVE EQUIPMENT	
Rubber apron, boots. Eye wash and safety shower should be nearby.	
WORK PRACTICES	
Shower and/or wash thoroughly before eating, drinking, smoking and leaving the workplace. Launder contaminated clothing before reuse. If spilled clean up immediately to avoid slippery conditions on floor.	

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SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Wash hands after handling. Launder contaminated clothing before reuse. Keep container tightly closed. Store in dry, well ventilated location away from other chemicals and sources of contamination.

OTHER PRECAUTIONS

None

OTHER REGULATORY INFORMATION

None

ADDITIONAL COMMENTS

N/A = Not applicable

N/I = No information

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Name (print)

DAVID STANLEY

Signature

David Stanley

Title

Vice president

Date

APRIL 26, 1999



NSF International

OFFICIAL LISTING

NSF International Certifies that the products appearing on this Listing conform to the requirements of
NSF/ANSI Standard 60 - Drinking Water Treatment Chemicals - Health Effects

This is the Official Listing recorded on January 24, 2003.

WATER SOLUTIONS UNLIMITED
295 INDUSTRIAL DRIVE
P.O. BOX 347
FRANKLIN, IN 46131
800-359-3570
317-736-6868

Plant At: FRANKLIN, IN

Chemical/ Trade Designation	Function	Max Use	
Ammonium Sulfate			
WSU Ammonia	Disinfection & Oxidation	20	mg/L
Blended Corrosion Inhibitor			
WSU-150	Corrosion & Scale Control Sequestering	12	mg/L
Blended Phosphates			
WSU-110	Corrosion & Scale Control Sequestering	34	mg/L
WSU-110	Corrosion & Scale Control Sequestering	29	mg/L
WSU-110	Corrosion & Scale Control Sequestering	32	mg/L
WSU-117	Corrosion & Scale Control Sequestering	21	mg/L
WSU-310	Corrosion & Scale Control Sequestering	12	mg/L
WSU-310	Corrosion & Scale Control Sequestering	12	mg/L
WSU-313	Corrosion & Scale Control Sequestering	12	mg/L
WSU-350	Corrosion & Scale Control Sequestering	12	mg/L
WSU-359	Corrosion & Scale Control Sequestering	17	mg/L
Sodium Carbonate			
WSU Liquid Soda Ash	pH Adjustment	60	mg/L

Note: Additions shall not be made to this document without prior evaluation and acceptance by NSF International.

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